WHAT IS CLAIMED IS:

1. A manufacturing system for printed wiring board comprising:

a schedule data storage unit storing multiple manufacturing schedule data including the kind of a printed wiring board scheduled to be manufactured and manufacturing quantity thereof;

a detecting unit detecting printed wiring boards of fraction which should be laid out in a single predetermined manufacturing block together with printed wiring boards of different kind from multiple kinds of the printed wiring boards scheduled to be manufactured, according to multiple manufacturing schedule data;

a condition data storage unit storing a manufacturing condition data for laying out the printed wiring boards of different kinds in a single predetermined manufacturing block;

a dividing unit dividing the detected fraction printed wiring boards to multiple groups according to the manufacturing condition data; and

a determining unit determining a combination of the printed wiring boards of different kinds to be laid out in a single predetermined manufacturing block for each group.

2. A manufacturing system for printed wiring board according to claim 1, wherein said detecting unit, if a manufacturing quantity of the printed wiring boards of a certain kind cannot be divided completely by a maximum number of the printed wiring boards which can be laid out in a single

predetermined manufacturing block, detects printed wiring boards corresponding to a number smaller than said maximum number or an excess as printed wiring boards of said fraction.

3. A manufacturing system for printed wiring board according to claim 1, wherein the manufacturing condition data is data produced by combining manufacturing request person's condition and manufacturer's condition.

4. A manufacturing system for printed wiring board according to claim 3 wherein the manufacturing request person's condition is shipment date.

5. A manufacturing system for printed wiring board according to claim 3, wherein the manufacturer's condition is number of layers of the printed wiring boards.

6. A manufacturing system for printed wiring board according to claim 4, wherein the manufacturer's condition is number of layers of the printed wiring boards.

7. A manufacturing system for printed wiring board according to claim 1 further comprising:

a CAD data creating unit creating CAD data corresponding to a combination determined by said determining unit; and

a CAD data converting unit creating CAM data or CAT data corresponding to CAD data created by said CAD data creating unit.

8. A manufacturing system for printed wiring board according to claim 7 further comprising:

manufacturing unit group carrying out manufacturing process for the printed wiring board using the CAM data or CAT

data created by said CAD data converting unit.

9. A manufacturing method for printed wiring board comprising the steps of:

reading multiple manufacturing schedule data including the kind of a printed wiring board scheduled to be manufactured and manufacturing quantity thereof;

detecting printed wiring boards of fraction which should be laid out in a single predetermined manufacturing block together with printed wiring boards of different kind from multiple kinds of the printed wiring boards scheduled to be manufactured, according to multiple manufacturing schedule data;

reading a manufacturing condition data for laying out the printed wiring boards of different kinds in a single predetermined manufacturing block;

dividing the detected fraction printed wiring boards to multiple groups according to the manufacturing condition data; and

determining a combination of the printed wiring boards of different kinds to be laid out in a single predetermined manufacturing block for each group.

10. A computer-readable recording medium for recording a computer program for making a computer to carry out the steps of:

reading multiple manufacturing schedule data including the kind of a printed wiring board scheduled to be manufactured and manufacturing quantity thereof;

detecting printed wiring boards of fraction which should be laid out in a single predetermined manufacturing block together with printed wiring boards of different kind from multiple kinds of the printed wiring boards scheduled to be manufactured, according to multiple manufacturing schedule data;

reading a manufacturing condition data for laying out the printed wiring boards of different kinds in a single predetermined manufacturing block;

dividing the detected fraction printed wiring boards to multiple groups according to the manufacturing condition data; and

determining a combination of the printed wiring boards of different kinds to be laid out in a single predetermined manufacturing block for each group.